

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/001786

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04B1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F04B F01B F03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 872 394 A (NAKAGAWA ET AL) 10 October 1989 (1989-10-10) column 7, line 44 – column 8, line 61 figures 5-9 -----	1,2,4-7
A	US 3 630 026 A (RICHARD JOSEPH IFIELD) 28 December 1971 (1971-12-28) abstract column 3, line 27 – column 4, line 47 figures 8,12 -----	3 1,2,4,6, 7
X	US 4 624 175 A (WAHLMARK ET AL) 25 November 1986 (1986-11-25) abstract figures 1,3,7 -----	1,6,7 -/-
A		

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the International search

10 May 2005

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23/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	DE 200 15 343 U1 (LIEBHERR-MACHINES BULLE S.A., BULLE) 17 January 2002 (2002-01-17) abstract figure 2 -----	1,6,7
A	WO 03/058034 A (INNAS B.V; ACHTEN, PETER, AUGUSTINUS, JOHANNES) 17 July 2003 (2003-07-17) cited in the application abstract figures 1,2,5,13,14 -----	1

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